

STATEMENT OF WORK for VSW E&T TARGET PROCUREMENT Target MK 44 MOD 0 and MK 50 MOD 0

5 June 2003

PR Number: N66001-1000002484
Tracking Number: 3156-3560

1.0 Scope.

This Statement of Work provides for the fabrication and delivery of additional Target MK 44 MOD 0 and MK 50 MOD 0 VSW training mines to be distributed throughout the Fleet.

1.1 Background.

Space and Naval Warfare Systems Center San Diego (SSC SD) Biosciences Division Code 235 is the In-Service Engineering Agent (ISEA) and Product Support Branch for Fleet Marine Mammal Systems (MMS). Code 2353, MMS Technical Support has been also selected as the Technical Design Agent (TDA) of the Exercise and Training Mine Program by PMS 490 to develop and procure exercise and training (E&T) targets for use as hunting mines in the Very Shallow Water (VSW) regime by a broad variety of MCM assets.

2.0 Applicable Documents

2.1 MK 44 MOD 0 drawings: NAVSEA (cage code 53711):

DRAWING NO.

REV.

7449512 (sheets 1-2) Target MK 44 MOD 0	A
7449539 (sheets 1-5) Cone, Truncated, Target MK 44	A
7449540 (sheets 1-2) Plate, Cover, Top, Target MK 44	
7449541 (sheets 1-2) Plate, Cover, Bottom, Target MK 44	
7449543 (sheets 1-2) Filler E (TNT simulant ratios)	

2.2 Target MK 50 drawings: SSC SD (cage code 55910):

DRAWING NO.

REV.

0207710 (sheets 1-4) Charge, Combat, Inert, Target MK 50 Mod 0	
0207711 (sheets 1-2) Anchor, Replica, Target MK 50 Mod 0	
0207712 (sheets 1-2) Simulator, Detonator, Target MK 50 Mod 0	
0207713 (sheets 1-2) Target MK 50 Mod 0	
0202485 Cradle, Shipping, Target Mk 50 MOD 0	

2.3 Spare Parts List (See Solicitation for details)

3.0 Tasks/Technical Requirements.

The contractor shall provide engineering and manufacturing support services in direct support of the Biosciences Division (SSC Code 235). Specific requirements shall include:

3.1 Tasks:

The contractor shall, utilizing the documentation drawings, photographs, and instruction documents specified in paragraph 2.0:

- 3.1.1. Manufacture one (1) set of mold patterns for MK 44 MOD 0
- 3.1.2. Manufacture one (1) set of molds for MK 44 MOD 0
- 3.1.3. Manufacture thirty (30) MK 44 MOD 0 mine simulators in accordance with drawings specified in paragraph 2.1
- 3.1.4. Manufacture or procure spare parts for Target MK 44 MOD 0 in accordance with attached Spare Parts List.
- 3.1.5. Procure and utilize Arca Systems Magnum 4844 foam-injected high-density polyethylene containers or equivalent for shipping MK 44. Mine simulators must be packaged to prevent movement within the containers during transit.
- 3.1.6. Ship, after approval by Code 2353 SSC SD, completed target mines and spare parts in above-mentioned containers to:
Commanding Officer
Mobile Mine Assembly Unit Fifteen
150 Mitscher Ave,
Suite 101, NAS
Kingsville, TX 78363-5052
ATTN SK2 TROCHLELL
- 3.1.7. Manufacture or procure spare parts for Target MK 50 MOD 0 in accordance with attached Spare Parts List.
- 3.1.8. Manufacture twenty-five (25) Target MK 50 MOD 0 mine simulators in accordance with drawings specified in paragraph 2.2, individually serialized from 0026 to 0050 in the format "SN XXXX". The location of the serial number will be etched into the combat charge as noted on drawing 55910-0207713.
- 3.1.9. Procure and utilize Arca Systems Magnum 4229 foam-injected high-density polyethylene containers or equivalent for shipping MK 50. Mine simulators must be packaged to prevent movement within the containers during transit.
- 3.1.10. Ship, after approval by Code 2353 SSC SD, completed target mines and spare parts in above-mentioned containers to:
Commanding Officer
Mobile Mine Assembly Unit One
Attn: Supply Officer (562-626-7013)
800 Seal Beach Blvd, Bldg. #78
Seal Beach, CA 90740
- 3.1.11. Mold patterns and molds produced from plugs will be the property of the U.S. Government. Within 30 days after completion of the contract, said items will be shipped to below address unless specified otherwise.
Commanding Officer
Edward Crenshaw, Code 2353 (PL-BS)
Space and Naval Warfare Systems Center San Diego

53560 Hull St.
San Diego, CA 92152-5001

3.1.12. Options

- 3.1.12.1. Manufacture one (1) set of mold patterns for MK 50 MOD 0
- 3.1.12.2. Manufacture one (1) set of molds for MK 50 MOD 0

3.2 Quality Assurance:

- 3.2.1. Manufacture Standards Verification: SSC SD Code 2353 reserves the right to send a designated representative to conduct on scene verification of compliance with the manufacturing procedures and required material standards directed in paragraph 2.0 of this SOW prior to completion of the first mine simulator.
- 3.2.2. First Article Approval: SSC SD Code 2353 reserves the right to conduct first article acceptance inspection for the initial Target MK 44 MOD 0 and for the initial Target MK 50 MOD 0. This will be a visual inspection.
- 3.2.3. Material and Individual Component Inspection: The contractor shall perform and document all tests and inspections required by the fabrication specifications.

4.0 Other considerations:

4.1 Travel. None.

4.2 Security Statement. All work on this contract shall be UNCLASSIFIED.

4.3 Government Furnished Property.

- 1 ea.: Mold, MK 44 Truncated cone
 - 1 ea.: Mold, MK 44 Bottom Plate
 - 1 ea.: Target, MK 44 MOD 0 (if requested by manufacturer)
 - 1 ea.: Target, MK 50 MOD 0 (if requested by manufacturer)
- 4.3.1. Shipment of government items will commence within 30 working days after award of contract. The property will be delivered at government expense at or near the contractor's provided address.
 - 4.3.2. Only the property listed above will be furnished by the government. The contractor shall furnish all other property required for performing this contract. The molds provided plus any manufactured to perform this contract are government property and must be returned, in tact, following completion of the contract. If they are damaged, replacement costs may be assessed.
 - 4.3.3. Contractor shall return government furnished property within 30 working days of completion of work to below address unless directed otherwise.
 - 4.3.3.1. Molds and mold patterns to be sent to:
Commanding Officer
Edward Crenshaw, Code 2353, Bldg. 193, Rm. 8 (PL-BS)
Space and Naval Warfare Systems Center San Diego
San Diego, CA 92152-5001

- 4.3.3.2. Targets to be sent back to the Mobile Mine Assembly Unit (MOMAU) from which they were received.

4.4 Technical Point of Contact.

Technical point of contact for this effort is Edward Crenshaw, Code 2353, (619) 553-5592/fax (619) 553-2678, email: edward.crenshaw@navy.mil.

4.5 Administrative Point of Contact

Jo Ann Flavin, SSC SD Code 23504, (619) 553-5388/fax (619) 553-1355, email: joann.flavin@navy.mil.